

CLAIMS

What is Claimed is:

1. An apparatus for sensing a high voltage pulse in a spark plug wire of an internal combustion engine comprising, in combination;

a handle of conductive material having an outer end and an inner contact end, said handle defining a longitudinal axis;

a translucent bulb retention tube of nonconductive material affixed to the inner contact end of the handle, said tube comprising an axial extension from the handle; and having an opposite tube end;

a bulb positioned in the tube said bulb including a first contact in electrical communication with the inner contact end of the handle and a second contact end extending in the opposite axial direction in the tube; and

a conductive probe member attached to the opposite tube end, said conductive probe member electrically connected to the second contact end of said bulb to form a series circuit through the probe, the bulb and the handle, said probe further including a probe end spaced from the connection to the tube, said probe end configured to fit over a spark plug wire whereby manual placement of the probe over a wire having a high voltage pulse will by capacitive coupling to the probe generate a current flow through the bulb to ground.

2. The apparatus of claim 1 wherein the probe end of the probe member comprises a partial concave surface.

3. The apparatus of claim 1 further including a conductive biasing member in the tube forming a part of the series circuit between the handle and the probe member.
4. The apparatus of claim 1 wherein the handle, tube and probe member are coaxial and generally cylindrical with a uniform diameter.
5. The apparatus of claim 1 further including a pocket retention clip on the handle.